

Grade 5 · The Coordinate Plane · Test

Common Core 5.G.A.1, 5.G.A.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

This 45-minute test checks the coordinate plane in the first quadrant (5.G.A.1 and 5.G.A.2). It has nine questions worth 20 points in total. Show your work and write every ordered pair with the x-coordinate first.

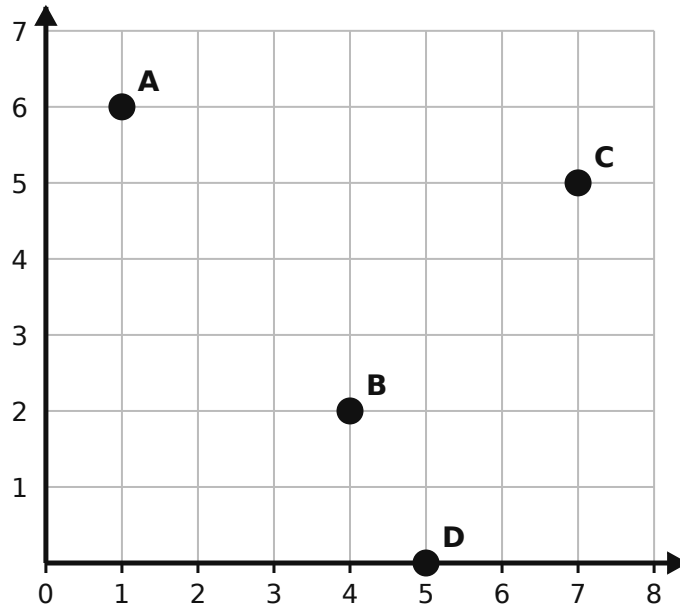
Test information

- **Grade:** Grade 5
- **Chapter:** The Coordinate Plane
- **Common Core:** 5.G.A.1, 5.G.A.2
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 3 pts; Question 7: 3 pts; Question 8: 3 pts; Question 9: 1 pt)

Question 1: Vocabulary (2 points)

- Name the horizontal number line of the coordinate plane. (1 point)
- Write the ordered pair for the origin. (1 point)

Question 2: Reading points (2 points)

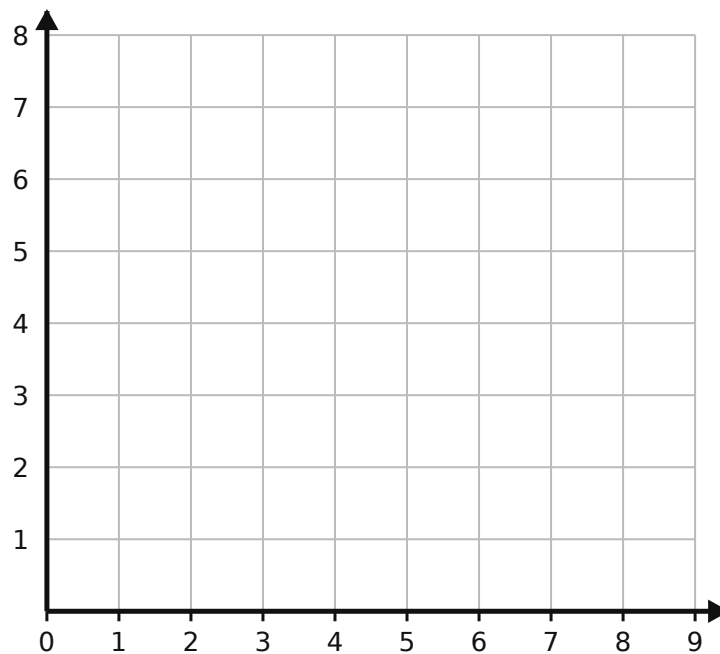


Points A, B, C, and D.

- Write the ordered pairs for A and B. (1 point)
- Write the ordered pairs for C and D. (1 point)

Question 3: Plotting points (2 points)

Use the grid.



Grid for plotting.

- Plot and label P (2,6), Q (5,3), and R (8,1). (1 point)
- Which of the three points is closest to the x-axis? (1 point)

Question 4: Points on the axes (2 points)

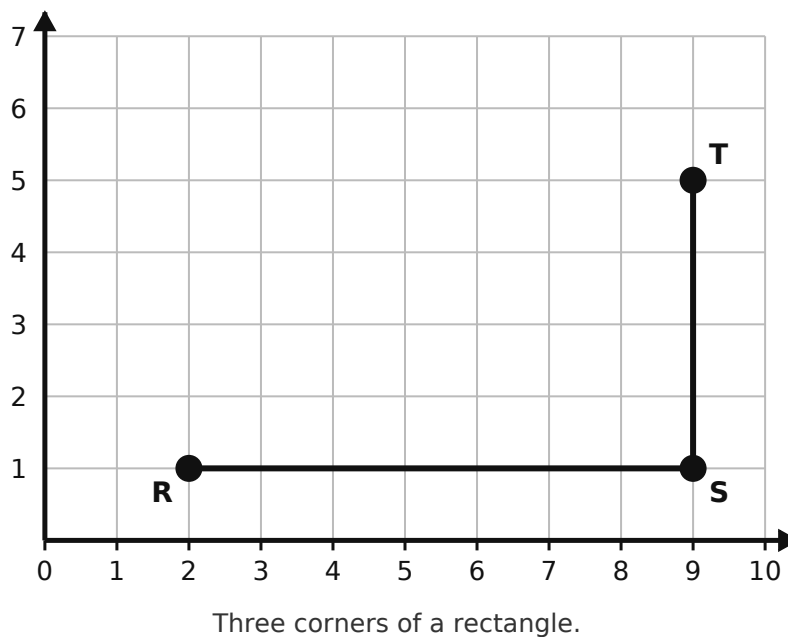
- a. Write the ordered pair of the point on the x-axis that is 5 units from the origin. (1 point)
- b. Write the ordered pair of the point on the y-axis that is 8 units above the origin. (1 point)

Question 5: Distances (2 points)

- a. How far apart are (1,4) and (9,4)? (1 point)
- b. How far apart are (3,2) and (3,11)? (1 point)

Question 6: Rectangle on a grid (3 points)

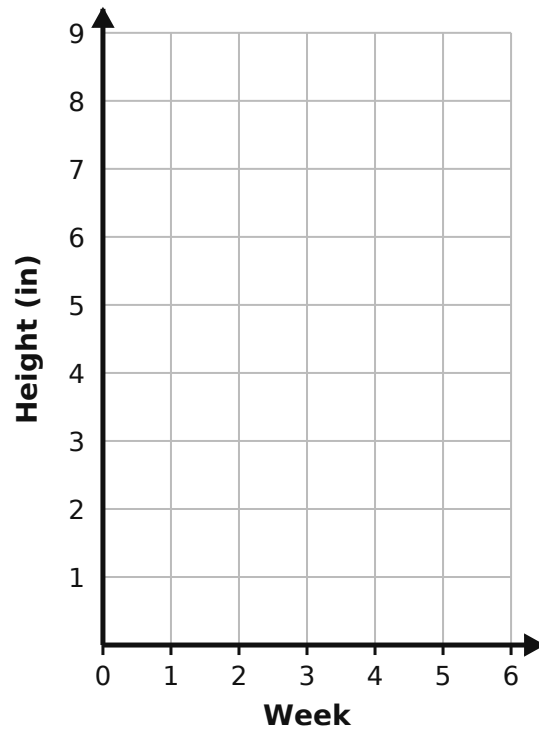
R, S, and T are three corners of a rectangle RSTU.



- a. Write the ordered pair of the fourth corner, U. (1 point)
- b. Find the perimeter of the rectangle. Each unit is 1 centimeter. (2 points)

Question 7: Plant data (3 points)

Noah measured a tomato plant each week. Week 1: 2 inches. Week 2: 3 inches. Week 3: 5 inches. Week 4: 6 inches. Week 5: 8 inches.

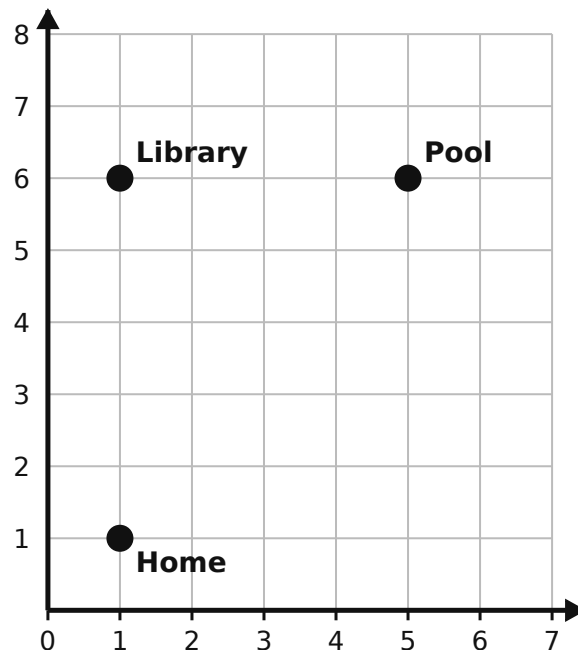


Grid for the tomato plant data.

- Write the data as ordered pairs (week, height). (1 point)
- Plot the points on the grid. (1 point)
- Explain what the point (3,5) means. (1 point)

Question 8: Town map (3 points)

Each square on the map is one block.



One square is one block.

- a. Write the ordered pair for the Pool. *(1 point)*
- b. How many blocks is it from Home to the Library? *(1 point)*
- c. Maya walks from Home to the Library and then to the Pool. How many blocks does she walk? *(1 point)*

Question 9: Check the claim (1 point)

Sofia says that $(3,8)$ and $(8,3)$ name the same point. Is she correct? Explain.